

**PATENT COOPERATION TREATY**  
**PCT**

**INTERNATIONAL SEARCH REPORT**

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference  N. 90485A JEB	<b>FOR FURTHER ACTION</b> <small>see Form PCT/ISA/220 as well as, where applicable, item 5 below.</small>	
International application No.  PCT/GB2005/000257	International filing date (day/month/year)  26/01/2005	(Earliest) Priority Date (day/month/year)  28/01/2004
Applicant  OXONICA, LTD		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
  - The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
- b.  With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.
- 2.  **Certain claims were found unsearchable** (See Box II).
- 3.  **Unity of invention is lacking** (see Box III).
- 4. With regard to the **title**,
  - the text is approved as submitted by the applicant.
  - the text has been established by this Authority to read as follows:  
  
SURFACE-DOPED PARTICLES OF TiO<sub>2</sub> OR ZNO AND THEIR USE

**5. With regard to the abstract,**

- the text is approved as submitted by the applicant.
- the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

**6. With regard to the drawings,**

- a. the figure of the drawings to be published with the abstract is Figure No. 1
  - as suggested by the applicant.
  - as selected by this Authority, because the applicant failed to suggest a figure.
  - as selected by this Authority, because this figure better characterizes the invention.
- b.  none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International Application No PCT/GB2005/000257
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## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C09C1/36	C09C1/04	C01G23/00	C01G9/00	A01N25/22
A61K7/42				

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C09C C01G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WO 01/40114 A (ISIS INNOVATION LIMITED; KNOWLAND, JOHN, SEBASTIAN; DOBSON, PETER, JAM) 7 June 2001 (2001-06-07)            cited in the application            page 2, line 19 - line 25            page 3, line 1 - line 20            page 4, line 2 - page 5, line 8            page 5, line 17 - page 6, line 17;            examples 1-3</p> <p>-----</p> <p>WO 99/60994 A (ISIS INNOVATION LIMITED; KNOWLAND, JOHN, SEBASTIAN; DOBSON, PETER, JAM) 2 December 1999 (1999-12-02)            cited in the application            page 5, line 21 - page 7, line 1; example 3</p> <p>-----</p> <p>-/-</p>	1-65
X		1-65

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&\* document member of the same patent family

Date of the actual completion of the international search

25 July 2005

Date of mailing of the international search report

01/08/2005

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## INTERNATIONAL SEARCH REPORT

International Application No

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 25 45 243 A1 (METALLGESELLSCHAFT AG) 21 April 1977 (1977-04-21) page 7, line 11 - page 8, line 29 page 9, line 1 - line 14 page 11, line 1 - line 29; examples 1-3 -----	1-8
P,X	WO 2004/105487 A (OXONICA LIMITED; ANDERSON, STUART, JAMES) 9 December 2004 (2004-12-09) claims 1-20 -----	56-59

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2005/000257

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 0140114	A	07-06-2001	AU	781071 B2	05-05-2005	
			AU	1539601 A	12-06-2001	
			BR	0016090 A	29-10-2002	
			CN	1433382 A	30-07-2003	
			EP	1233930 A1	28-08-2002	
			WO	0140114 A1	07-06-2001	
			JP	2003515518 T	07-05-2003	
			MX	PA02005395 A	12-02-2003	
			US	2003138386 A1	24-07-2003	
			ZA	200204358 A	01-09-2003	
-----						
WO 9960994	A	02-12-1999	AU	765456 B2	18-09-2003	
			AU	4273299 A	13-12-1999	
			EP	1079796 A1	07-03-2001	
			WO	9960994 A1	02-12-1999	
			JP	2002516347 T	04-06-2002	
			US	6869596 B1	22-03-2005	
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DE 2545243	A1	21-04-1977	NONE			
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WO 2004105487	A	09-12-2004	WO	2004105487 A1	09-12-2004	
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